KOK, I.P.; OPOL'SKIY, A.F.

Comparative characteristics of nucleotide composition of desoxyribonucleic acid isolated by various methods from insects and mammals. Biokhimiia 25 no.6:1073-1080 N-D '60. (MIRA 14:5)

1. Institute of Zoology, Academy of Sciences of the Ukrainian U.S.S.R., Kiyev.
(NUCLEOTIDES) (DESCXYRIBONUCLEIC ACID)

CPOL'SKIY, A.F. [Opol's'kyi, A.F.]

Study of the possibility of changing the inherited characters in hens by the transfusion of heterogeneus blood. Pop. AN URSR no.2: 261-263 '64. (MIRA 17:5)

1. Institut mikrobiologii AN UkrSSR. Predstavleno akademikom AN UkrSSR V.G.Kas'yanenko [Kas'ianenko, V.H.].

OPOL'SKIY, A.F. [Opol's'kyi, A.F.]

Compatibility of blood in hens. Dop. AN URSR no.3:398-400 164. (MIRA 17:5)

1. Institut zoologii AN UkrSSR. Predstavleno akademikom AN UkrSSR V.G. Kas'yanenko [Kas'ianenko, V.H.].

KUTASHOV, P.D.; LIVSHITS, B.S.; OPOL'SKIY, Ye.K.; GOLUBTSOV, I.Ye., otv. red.; BALAKIHEV, A:P:, red.; SHEPER, G.I., tekhn.red.

[Universal ten-level step-by-step sutomatic telephone exchange with a capacity of 50 to 100 numbers designed for metropoliter. and rural use] Universal nais [sel skais i uchreshdenche skais] dekadno-shagovais ATS na 50/100 nomerov; informatsionnyi sbornik. Noskva, Gos.isd-vo lit-ry po voprosam sviazi i radio, 1960. 147 p. (MIRA 13:11)

(Telephone, Automatic)

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DERI, I. [Döry, I.]; GERI, I.; SABO, G. [Szabó, G.]; ODORGE, P. [Oposzky, P.]

Synthesis of progesterone from erosterin. Med.prom. 13 no.10:14-20
(MIRA 13:2)

1. Zavod farmatsevticheskikh i khimicheskikh preparatov "Khinoin"
(Budapesht) i Institut organicheskoy khimii Tekhnicheskogo universiteta (Budapesht).

(ERGOSTEROL) (PROGESTERONE)
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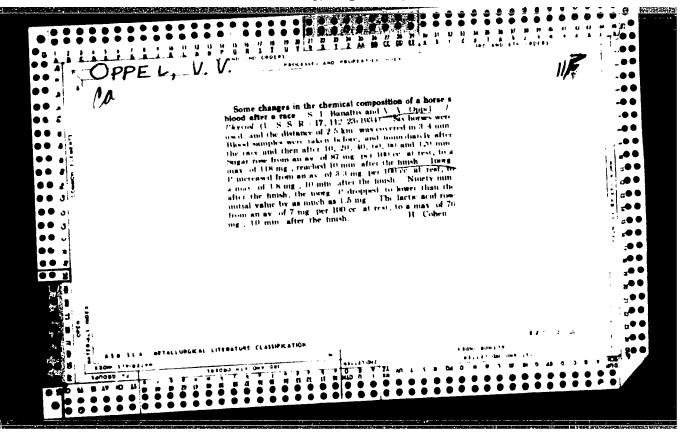
GORCS, J.; OPPE, E. Combined cancer prevention test in gynecology. Magy. necro. (CLML 20:11) lap. 14 no.7:219-220 July 1951.

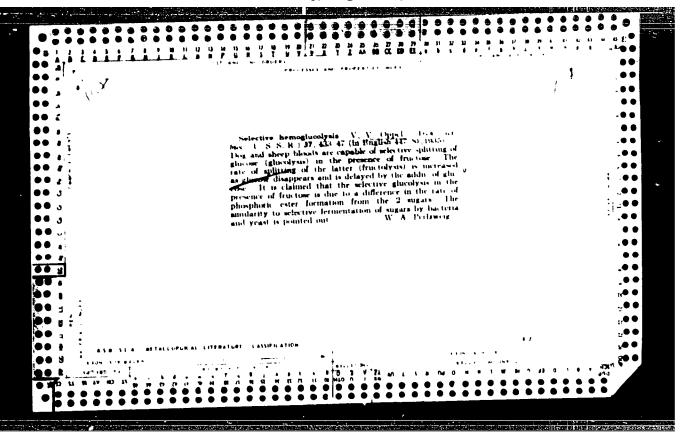
1. Doctors. 2. Obstetric and Gynecological Clinic (Director Prof. Dr. Laszlo Lajos), Pacs Medical University.

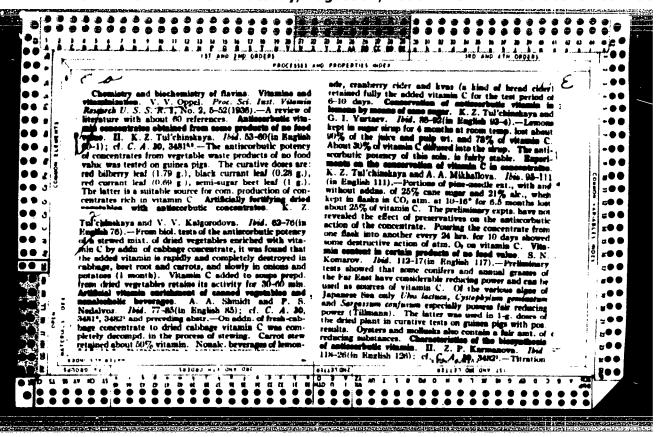
OPPEAN, A.

A fat method of determining the machineability of metals. p. LLL. (METALURGIA SI C'NSTRUCTLE DE MESINI. Vol. 9, no. 6, June 1957, Rumania)

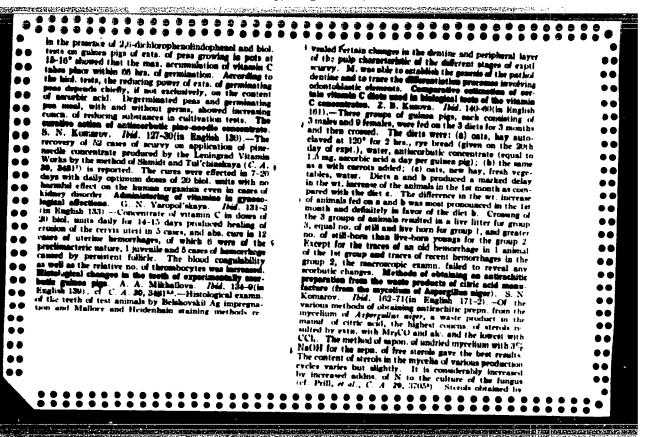
SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957 Uncl.

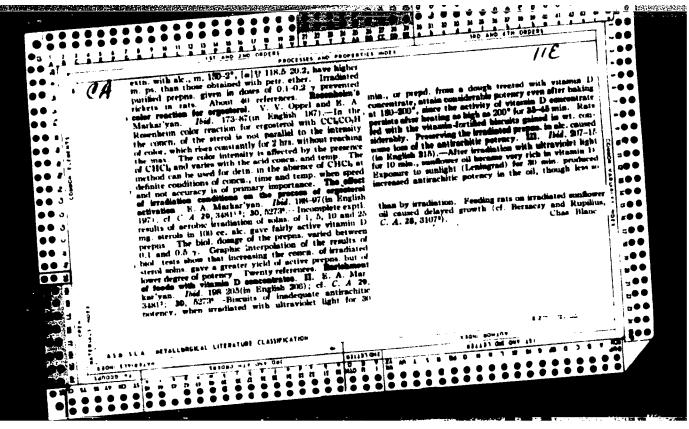






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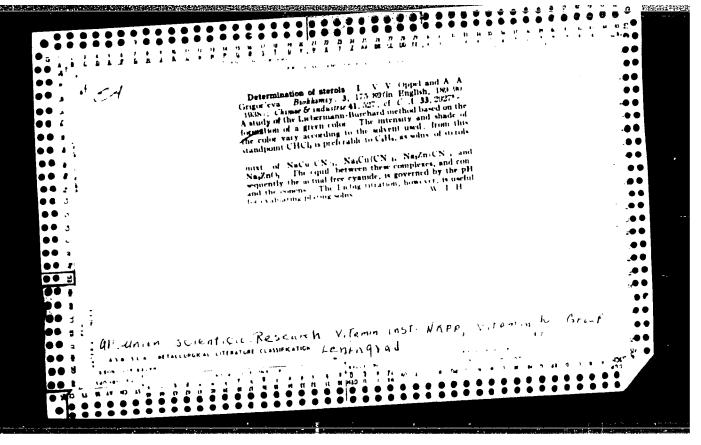
CPPEI', V.V., VLADIMIROV, G.ME, DEDYULIN, I.M., KUDRYAVUSEV, N.A., & HAYKO, A.A.

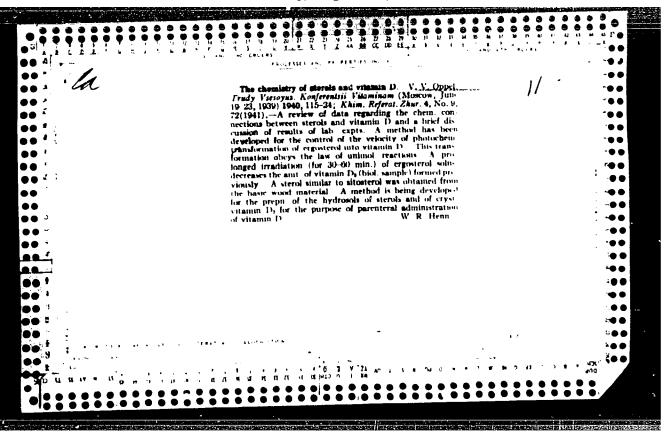
Vyliv aklimatizatsiy do visokogiri.ogo kulmatu na luzhno-kislotnu rivnovazu v krovi lyndey

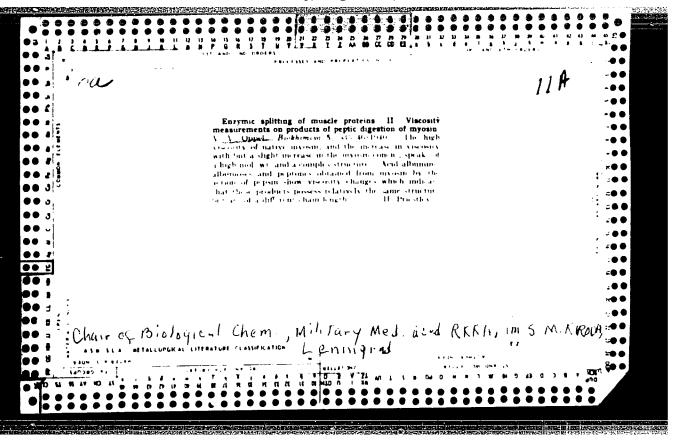
(The effect of aculimatization to high mountain climate on the alkali-acid balance in human blood)

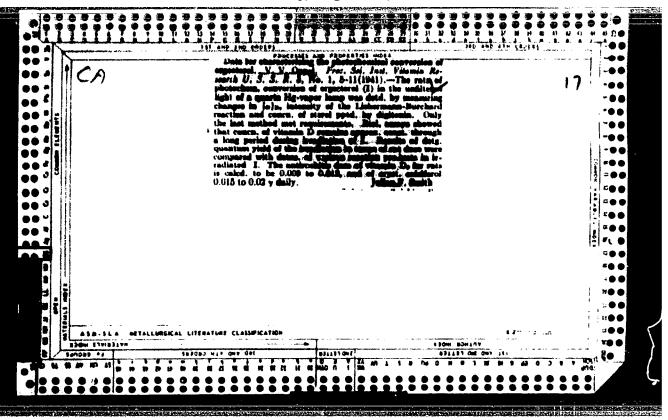
Eksperimental'na Meditsina, 2, 54-67, 4937

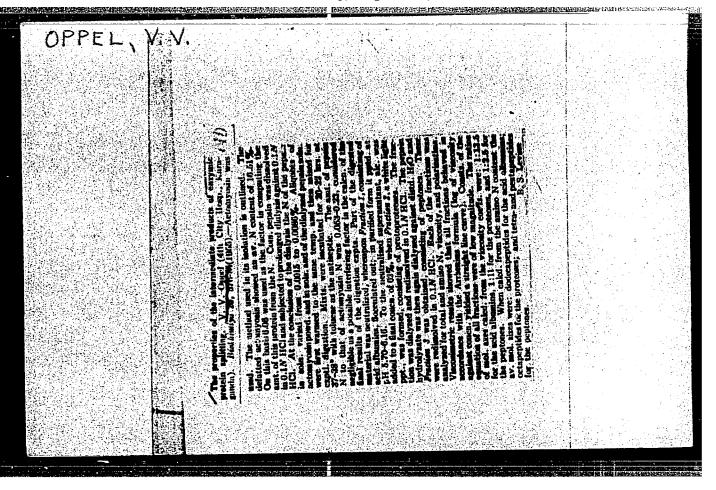
All-Union Institute of Experimental Medicine Imeni A.M. Gor'kiy (VIEM) [199-197]

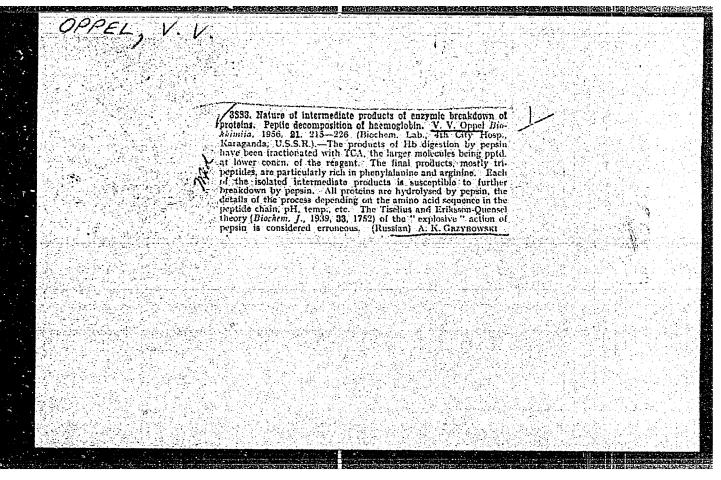












OPPEL', V.V.

THE BUILD OF THE PROPERTY OF T

(PEPS IN.

Paper chromatographic study of low-molecular products of hemoglobin decomposition by pepsin [with summary in English]. Biokhimila 23 no.4:574-583 J1-Ag 158. (MIRA 12:3)

1. Biochemical Laboratory, the Military-Medical Academy, Leningrad. (HEMOGLOBIN, pepsin digestion, paper chromatography of low molecular prod. (Rus))

hemoglobin digestion, paper chromatography of low molecular prod. (Rus))

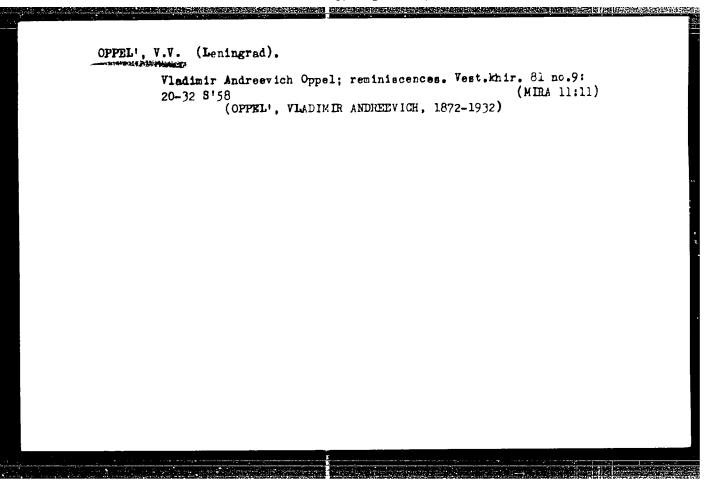
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OPPEL', V.V. (Leningrad)

Evolution of muscle proteins. Usp.sovr.biol. b6 no.3:281-300

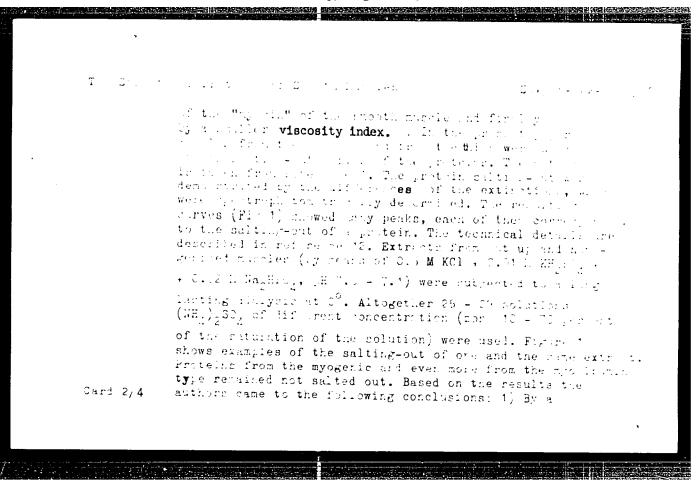
N-D'58

(PROTEINS)

(MUSCLE)
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The Other than a costellar of Smeath Mach. . . Sign these El Fry To Very, rEnd Diblid: Doklady Aka emil nauk SSSR, 1958, Vol 122, Br., PP 1 1 - 214 (USCR) ANSTHUTT: The roller pertion doington title receipt formula and involved to deposit outerly with rest detection must be a of the letterines. Even the problem whether the endings of this own, low in this case is the same as the obtainso liex of a constic number his not yet seen a lived. It the property aper the authors give the falst results of their investibilities, which they undertack set mitely data to we true, on the preteine of but. Mich. mussion with these. They resumed the interrupted in of the fort author which he mes been decling with .41. At the same time it was found out, that to "my ... of the massle of the atomach differs from two two "" y win. " by a higher content of mitroger-free content b and with later, then by a reduced tennency to ... for the, firther by a less pronounced viscosity on a Ca: 1 1, 4



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            to obtain leviating curves. 2) Sometre mu cles profile \ell_{i}
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            particularly bach. 5. The amounth moreles develop a = t.
            peaks. From these the peaks a and b have no homologies
            points among the curve peaks of the sonatic muscles. The
            protein mulch cause these peaks are precipitated of lover
            concentration (if and 25% of saturation). There are in them,
            1 table, and 6 references, 1 of which is Soviet.
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D BMI. EL: Jane 17, 1984
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OPPEL', V.V. Further investigations on the low molecular products of the splitting of hemoglobin pepsin. Vop.med.khim. 5 no.4:265-273 Jl-Ag '59. (MIRA 12:12) 1. Biokhimicheskaya laboratoriya kafedry fiziologii voyennogo truda Voyenno-mediteinekoy ordena Lenina akademii imeni S.M. Kirova, Leningrad. (PEPSIN chem.) (HEMOGLOBIN chem.)

Merchanical Laboratory, Chair of Physiology of Military
Labor, Military-Medical Academy, Leningrad.

(HEMOGLOBIN,

eff. of gamma rays on hemoglobin solutions

(Rus))

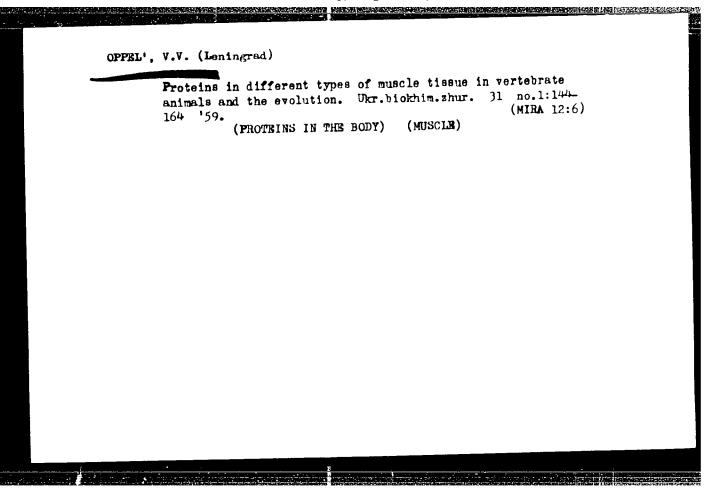
(CAMMA RATS, effects,

on hemoglobin solutions (Rus))

OPPEL', V.V.; SEGERRENIKOVA, T.P.

Contractile proteins of the smooth muscle. Biokhimiia 24 no.4:648-65° Jl-Ag '50. (MIHA 12:11)

1. Institut evolynteionnoy fiziologii im. I.M.Sechenova Akudemii nauk SSSR, Leningrad. (MUSCLE PROTEINS)



OPPEL', V.V.; KHLYUSTINA, T.B.

Amphoteric properties of the actinlike protein from the smooth muscle of a dog stomach. Biokhimiia 25 no. 3:532-539 My-Je '60.

(MIRA 14:4)

1. Institute of Evolutionary Physiology, Academy of Sciences of the U.S.S.R., Leningrad.

(ACTIN)

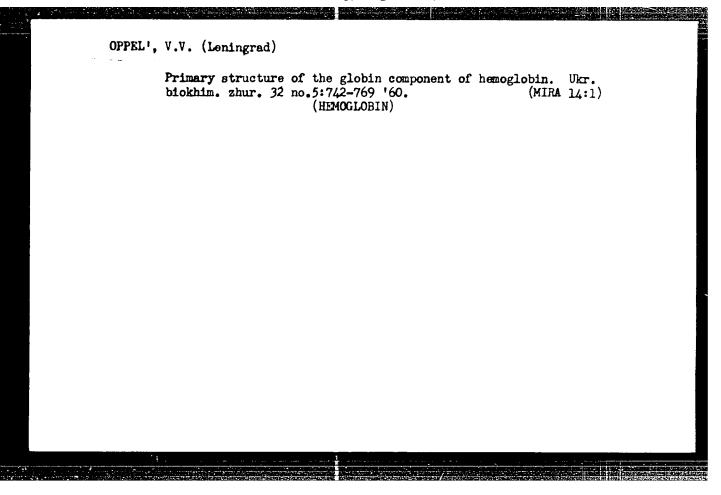
OPPEL', V.V.; SEREBRENIKOVA, T.P.

Structural proteins of smooth muscles in warm-blooded animals.

(MIRA 14:5)

Biokhimiia 25 no.6:1035-1042 N-D '60.

1. Institute of Evolutionary Physiology, Academy of Sciences of the U.S.S.R. Leningrad.
(MUSCLE) (PROTEINS)



OFF EL, V. V., SEREERFINNIKOVA, T. P., and KHLYUSTINA, T. B. (USSR)

"Some Structural Proteins in the Smooth Muscles of Mammals."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

OPPEL', V.Y.

Modification of skin proteins after thermal burns. Vop. med. khim. 7 no.2:172-178 Mr-Ap '61. (MIRA 14:6)

1. Biochemical Laboratory of the Center for Burn Surgery, S.M.
Kirov Military Medical Academy, Leningrad.
(BURNS AND SCALDS) (SKIN) (PROTEIN METABOLISM)

OPPEL', V.V.

The neutral fraction of low-molecular pepsin peptides of horse hemoglobin. Biokhimiia 26 no.3:462-467 My-Je '61. (MIRA 14:6)

1. Institute of Evolutionary Physiology, Academy of Sciences of the N.S.S.R., Leningrad.
(HEMOGROBIN) (PEPTIDES)

OPFEL', V.V.; SEREBRENNIKOVA, T.P.

Structural proteins of transversostriated muscles in animals of the chordate type. Biokhimiia 26 no.4:608-614 Jl-Ag '61.

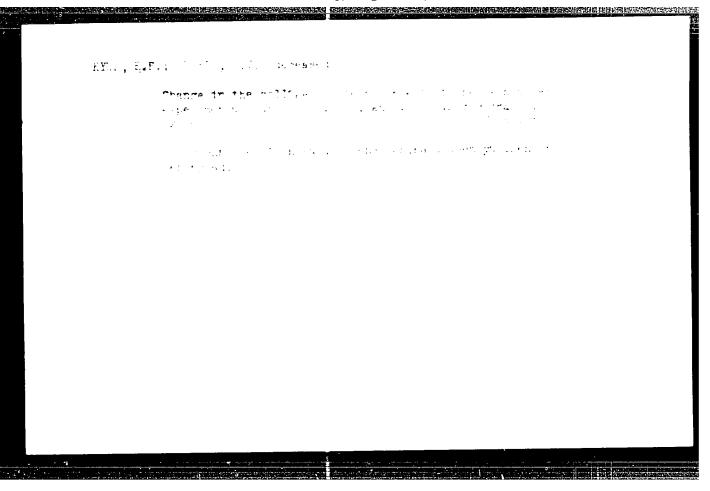
(MIRA 15:6)

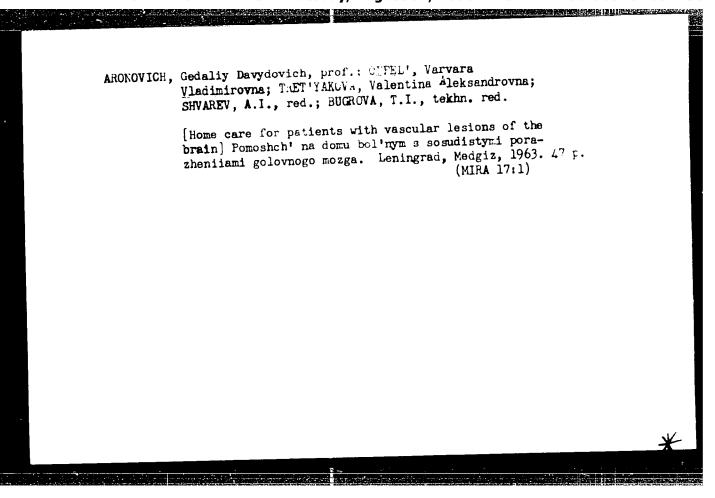
1. Institute of Evolutionary Physiology, Academy of Sciences of the USSR, Leningrad.

(MUSCLES) (PROTEINS)

Smooth muscle protein salted out at 25% (IEi₄)₂504 saturation.
Biokhimia 26 no.6:1051-1058 N-D '61. (MIR. 15:6)

1. Instituta of Evolutionary Physiology, Academy of Sciences of the U.S.S.R., Leningrad.
(PROTEINS) (SALTING-OUT) (MUSCLE)





OPPEIN-BRONIKOWSEI, Karol

Surface temperature during surgery and value of its measurement during the course of anesthesis. Polski tygod.lek.15 no.10:342-346 7 Mr '60.

1. Z II Kliniki Chirurgicznej A.M. w Gdansku; kierownik: prof. dr. Kazimierz Debicki.

(ANESTHESIA GENERAL)

(BOLY TEMPERATURE)

```
OPPELN-BRONIKOWSKI, Karol

Use of a rubber suit in controlled hypothermia. Pol. przegl.
chir. 35 no.4:303-306 '63.

1. Z II Kliniki Chirurgicznej AM w Gdansku Kierownik: prof.
dr K. Debicki.

(HYPOTHERMIA, INDUCED)

(RQUIPMENT AND SUPPLIES)
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OPPELN-BRONIKOWSKI, Karol; JEKA, Kazimierz

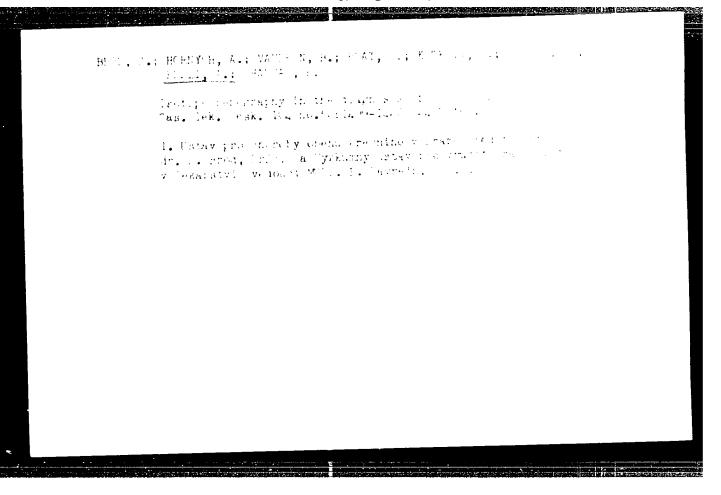
Universal apparatus for inhalation anesthesia. Poleki przegl.
chir. 35 no.3:187-191 '63.

1. Z II Kliniki Chirurgicznej AM w Gdansku Kierownik: prof.
dr K. Debicki.
(ANESTHESIA, INHALATION) (EQUIPMENT AND SUPPLIES)

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BRCI, J.; HORNYCH, A.; VAURFIN, B.; FRAT, V.; KOSTKOVA, B.; LEVDAR, R.; OPPFLT, A.; CHAPVAT, F.

Isotope renography in the diagnosis of chronic jyelonephritis. Fav. Czech. med. 11 http://lib.231 %cc.

1. Institute of Cardiovascular Pesearon, Prague / Lirector: Prof. pt. Brod. M.L., 1.Cc. .
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Nuclear Medicine

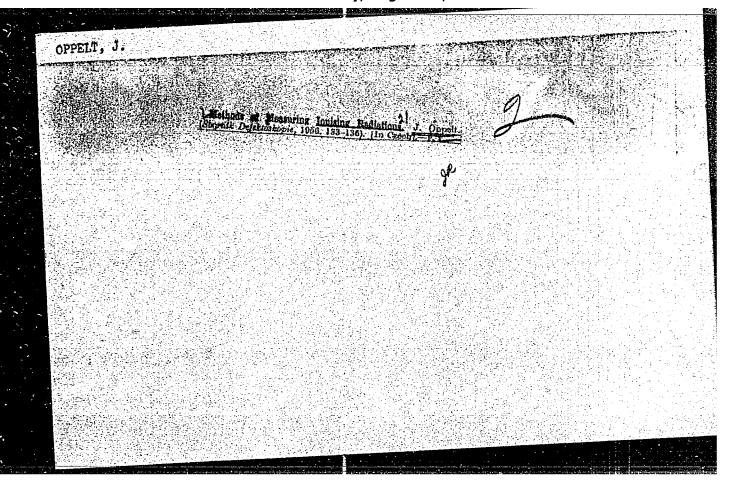
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WIDINSKY, J.; OPPELT, A.; STANEK, V.; BLAHA, V.; RUMCZIK, I.; Research Institute for Radioisotope Application in Ledicine (Vyz-kumny Us av pro Vyuziti Radioisotopu v Lekarstvi) Prague - Krc, Director (Reditel) Dr B. VAVREJN; Research Institute for Blood Circulation Diseases (Ustav pro Choroby Obehu Krevniho), Director (Reditel) Prof Dr J. BROD.

"Examination of the Regional Pulmonary Ventilation by Leans of Radioactive Xenon 33."

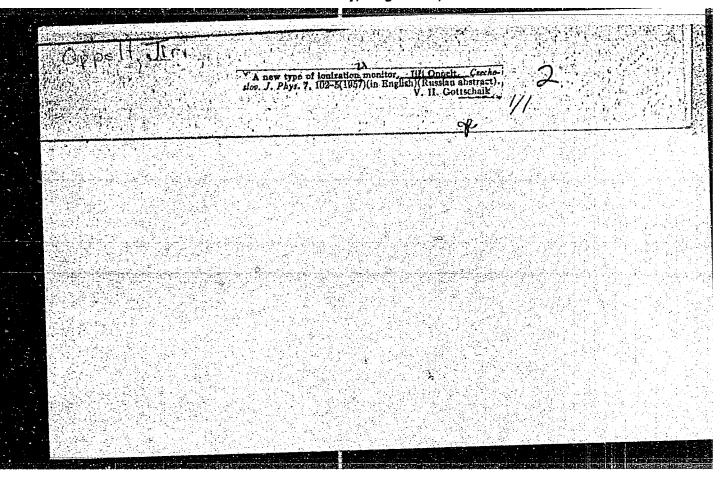
Prague, Jasopis Lekaru Ceskych, Vol 105, No 26, 2L Jun 66, pp 695 - 698

Abstract Authors' English summary modified 7: A method for indetermination of regional pulmonary ventilation using radioactive Xenon 33 is described. In 14 subjects with a normal neart and lungs the regional ventilation of the left upper and right lower pulmonary area was examined. In 11 subjects the examination was made in a sitting and in a recumbent position. The ventilation of the upper portions of the lungs in the sitting position is worse than of the lower parts; in the recumbent position the difference disappears. 6 Figures, 1 Table, 7 Western, 1



An apparatus for read.efer dispermed radiation without using excelling real faces unit; p.82.
(Ctirka Tynalezu, Vol. 6, No. 1., Arr. 1907, Praba, Ozenhoriovakia)

So: Monthly list of Sast European Accessions (EAL) 10. Vol. 6, No. 6, Oept. 1917. Seel.



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oright, J.

Measuring the concentration of solution: by means of redicisotopes.

P. 22 (Chemicky Frun**ysl**) Vol. 7, No. 1, Jan. 1957, Czechoslovakia

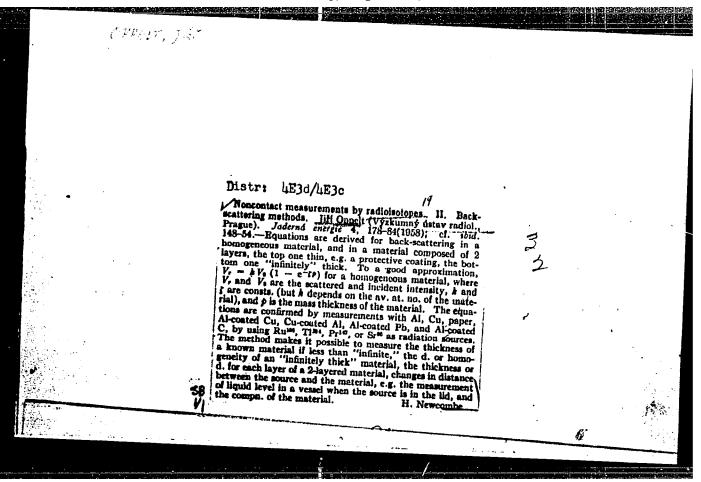
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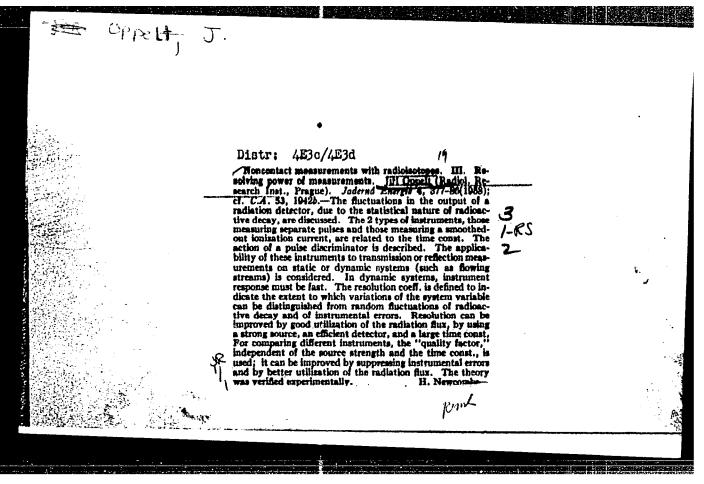
OPPELT, J. PRYNTA, 2.

"Univel dynamic electrometer."

JADERNA ENERGIE. Praha, Czechoślovakia, Vol. 4, October 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, September 1959.





OPPELT, Jiri

Non-contact gauging by radioisotopes. Part 1: Penetration gauging. Jaderna energie 4 no.6:148-154 Je '58.

1. Vyzkumny ustav radiologicky, Praha.

OPPELT, Jiri

Non-contact measurement with radioisotopes. Part 2: Back scatter methods. Jaderna energie 4 no.7:178-184 Jl '58.

1. Vyzkumny ustav radiologicky, Praha.

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Z/011/62/019/004/002/00: E075/E335

ACARAS Oppelt, J.

TITLE: Use of radio-isotopes in measuring, control and

auto…ation

PERIODICAL: Chemie a chemicka technologie; Prehled technické a hospodarske literatury, v.19, no. 4, 1962, 155. abstract Ch 62-2116 (Symposium of the First All-State Conference on Nuclear Engineering, January 26-50, 1752.

Part II, 116 - 117)

TEXT: Radio-isotopes are used basically, regardless of the field of application, in one of the following two ways:

a) the radioactive substance is present in the substance or body under investigation, either freely dispersed or in the form of a closed radiator;

b) the substance, material or object under investigation incoracts with the radiation of a closed radio-isotope, which is outside the object under investigation.

The first category comprises indicator and activation methods

Card 1/9

Use of radio-isotopes

2/011/62/019/004/00_/UNS B073/E335

used in tracer and analytical techniques (work with open radiators); closed radiators are, for instance, inside viscosimeter bodies, in turbine blades, etc. The second cutes gory includes contactless measurement of the thickness by the througher distance and reflection method, measurement of the density of fluids, homo, eneity, etc. The paper gives twoich casurement of coating layers, radiometric defectoscopy, assurement of the pressure of gases and vapours, levels and hastricter's note: this is a complete translation.

Card 2/2

OPPELT, J.

Radioisetope indicator of the level of butylaldehyde in separators. . 167

JADERNA ENERGIE. (Ministe stvo energetiky) Praha, Ozechoslovakia, Vol. 5, 10. 5

Monthly List of East European Accessions (EEAI), LV, Vol. 7, No. 7, July 1.57 Uncl.

z/038/60/000/03/05/007

21.7100

AUTHOR:

Oppelt, Jiří

TITLE

A Radioisotopic Densometer

PERIODICAL:

Jaderná energie, 1960, No. 3, pp. 96 - 97

The article describes a radioisotopic densometer developed by the Ústav pro výzkum výrobu a využití radioisotopů (Institute for Research, Production and Utilization of Radioisotopes) in Prague for the Stupavská cementareň n.p. (Stupava Cement Plant, National Enterprise) according to principles and conclusions described in several 1958 issues of this periodical (Ref. 1). The densometer was developed for continuous measuring and registering cement slurry density, so the latter can be maintained at a proper level, i.e. about 1,270 g/liter, the densometer having a scale ranging from 1,200 to 1,300 g/liter. In order to utilize as large a portion of the radiation flux as possible, an ionization chamber was selected for detector in an arrangement shown in Figure 1. The slurry is pumped through a pipe with 100 mm internal diameter into a widened section $P_{\rm k}$, which on its other end narrows down to the original diameter. A tube T reaches up to the middle of the section $P_{\mathbf{k}}$, into which a brass bar is inserted with the radiation source Z screwed into its lower end. The radiation within the section $P_{\rm k}$ is absorbed in dependence on the density of the slurry and enters the ionization chamber

Card 1/4

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z/038/60/000/03/05/007

A Radioisotopic Densometer

Pi containing a collecting electrode S shaped like a hollow cylinder. The ionization current is extracted by the cable K. The current, corresponding to a density of 1,250 g/liter is compensated by the current of another chamber containing a collecting electrode with a SIC-type strontium radiation source. This source is a metal strip with an activity of 20 mc, wound around the collecting electrode. The source of radiation is a radioisotope of cesium-137 with an activity of 0.525 gramequivalent Ra. Both chambers are installed in a cubicle adjacent to the slurry mixer building at the exit of the slurry pipe leading to the plant. A coaxial cable transmits the differential current to an amplifier installed at the slurry mixer building with indicating instruments placed so that they can be well seen from the water feed control point. Figure 2 shows the wiring diagram of the equipment. The casing of the main chamber K1 is grounded. In order to create an electric field between the casing and the collecting electrode, it is necessary that the collecting electrode have a potential, relative to the ground and, therefore, the entire amplifier has a +70 v potential, relative to the ground. The casing of the compensation chamber has a polarity, relative to the collecting electrode that is reversed as against the polarity of the main chamber. By a proper shielding of the strontium source it can be achieved that at a slurry density of 1,250 g/liter the current flows only through both chambers, while no

Card 2/4

A Radioisotopic Densometer

Z/038/60/000/03/05/007

current flows through the resistance R. The potentiometer P serves for fine adjustment of the currents (the current of the compensation chamber is not quite saturated). If the density of the slurry changes, the balance is upset and current flows through the resistance and the pointer of the indicating instrument M_1 swerves to the right or to the left. If the deviation exceeds $\pm 2\%$, a polarized relay connects a signalling device and the registering instrument M2. The amplifier is a dynamic electrometer with a variable condenser C. The alternating component obtained with a frequency of 400 cps is amplified and rectified by a rotary rectifier, mounted on the axle of a synchronous electric motor SM, which also actuates the rotor of the capacitor. The sensitivity of the instrument is regulated by negative feedback connected to the rotor. In order to make the operation of the instrument as simple as possible, and especially to eliminate zeroing and frequent calibration checks, a strong ionization current is used, secured by a strong radiation source, good utilization of the radiation flux and a large ionization space in the chamber. For a normal density of the slurry, the current is about $2 \cdot 10^{-8}$ a. A 1% change of the current will therefore cause a 4 v change of the voltage on a $2 \cdot 10^{10}$ ohm input resistance. The range of the scale corresponds to a deviation of \pm 4% from the normal value of 1,250 g/liter of the slurry density. Both chambers are airtight to eliminate the influence of atmospheric and temperature changes. The instrument is switched on automatically,

Card 3/4

81382

A Radioisotopic Densometer

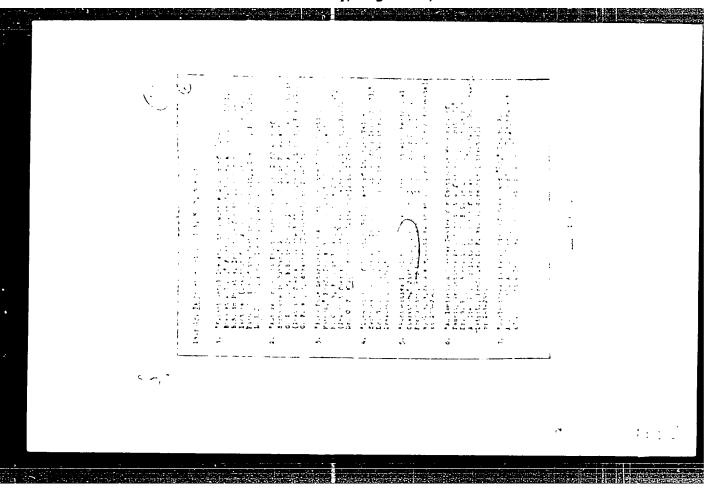
Z/038/60/000/03/05/007

simultaneously with the switching on of the slurry pump. The densometer has met all expectations during operational tests and 10 such instruments, in an improved version, will be installed in Czechoslovak cement plants during 1960. There are 2 diagrams and 1 Czech reference.

ASSOCIATION: Ústav pro výzkum, výrobu a využití radioosotopů (<u>Institute for Re-</u> search, Production and Utilization of Radioisotopes). Prague

Card 4/4

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001238



S/194/62/000/004/022/105 D222/D309

AUTHORS:

Oppelt, Jiri and Hladik, Jaroslav

TITLE:

Apparatus for contact-free quality control using the method of comparison with a standard under contains

radiation (patent)

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektroniku, no. 4, 1962, abstract 4-2-59 1 (Chekhosl. pat., kl. 21g, 18/01, 42k, 46/07, no. 96354, 15.08.60)

TEXT: A new method is proposed for generating the alternating input signal for an ionization chamber. The equipment consists of a rotating ionization chamber, a radiation source and a standard object. The ionization chamber has at its center a stationary collector which is the axis of rotation of a cylinarical screen to which the radiation source is attached. The radiation, going iirectly into the chamber, is screened. The radiation directed outside the chamber is alternatively reflected either from the object tested, or from the standard, and falls on the collector electrode.

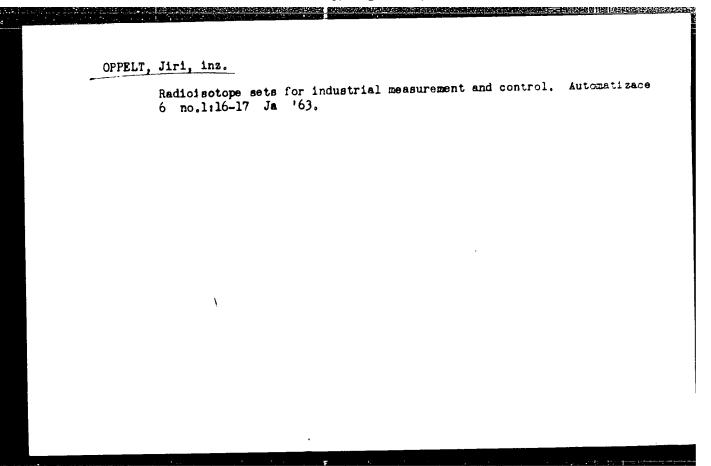
Card 1/2

Apparatus for contact-free ...

3/194/62/000/004/022/105 D222/D309

of which depends on the properties of the tested or the standard object. The indicator connected to the output of an AC amplifier is calibrated directly in units of the controlled variable and indicates the derivation between the properties of the object and the standard. 2 figures. / Abstracter's note: Complete translation. /

Card 2/2



L 56028-65 EWT(m) IJP(c)
ACCESSION NR: AP5018392

UR/0038/65/000/002/0059/0063

AUTHOR: Oppelt. Jiri

TITLE: Dependence of the current of an ionization chamber on the modulation

frequency of the intensity of radiation

SOURCE: Jaderna energie, no. 2, 1965, 59-62

TOPIC TAGS: ion chamber, ionization, radioactivity

ABSTRACT: A mathematical treatment is given of the dependence of the current in an ionization chamber on the frequency of modulation of a radiation source. According to the equations derived, when the period of the modulation is long compared to the collection time of the ions, the amplitude of the ionization current has the same course as that of the radiation intensity with its amplitude of oscillation equal to half the current without modulation. The equation predicts that at periods short compared to the collection time (high frequency modulation) the alternating current component is zero. The equation also predicts that when the ratio of collection time to period of modulation is a whole number (1, 2, 3, ---) the alternating component is zero, with maxima at values between. This points

Card 1/2

ACCESSION NR: AP5018392 up the necessity of using a stable modulation frequency in order to have a stable up the necessity of using a stable modulation frequency in order to have a stable up the necessity of using a stable modulation frequency in order to have a stable up the necessity of using a stable modulation of measurement is used. Orig. value of ionization current, when such a method of measurement is used. Orig. art. has: 8 figures, 1 graph, 7 formulas. ASSOCIATION: Ustav pro vyzkum, vyrobu a vyuziti radioizotopu, Prague (Institute for Research, Production and Application of Radioisotopes)			ble
(Institute for Research, SUBMITTED: 00	Production and Applicat ENCL: 00 OTHER: 000	SUB CODE: NP	

I. 30068-66 ACC NR: AP6020603

SOURCE CODE: CZ/0038/65/000/010/0382/0384

AUTHOR: Oppolt, Jiri

Prague 3

ORG: Institute for Research. Production and Applications of Radioisotopes, Prague (Ustav pro vyzkum, vyrobu a vyuziti radioizotopu); Tesla Research Works, Premysleni (Vyzkumny zavod Tesla)

TITLE: Flowmeters using radioisotopes

SOURCE: Jaderna energie, no. 10, 1965, 382-384

TOPIC TAGS: radioisotope, flow meter, radiation source, nuclear physics apparatus, pipeline

ABSTRACT: Two basic applications of radioisotopes are discussed: direct injection of a measured amount of the isotope, and the application where the isotope is not in direct contact with the flowing medium. Rotation of a wheel carrying a radiation source rotameters carrying a radioisotope, and a damper changing its position according to the flow rate are evaluated. The author selected the rotameter method as the most suitable one, and describes an apparatus that he designed for use in pipelines where direct reading rotameters cannot be used. Co60 was used as the radiation source. A source located behind the rotameter body, partially screened by it was considered to be the best solution of the problem. This paper was presented by Z. Hyrs. Orig. art. has:

SUB CODE: 18, 14, 20 / SUEM DATE: none

Cord 1/1 0

mc: 681.121: 621.039.85:62

Obstetrics and Gynecology

CZEC. OSL OVARIA

UDC 618.1-089:616.153.963

NOVOTHY, A.; DYORAK, V.; OPPLT, J.; Cynecological Clinic Hedical Faculty of Hydene, Charles University (Gynekologicko-porodnicka Klinica Lekarske rakulty Hygienicke KU), Pracue, Head (Prednosta) Prof Dr J. PADOVEC; Institute for Clinical Biochemistry (Ustav pro Klinickou Biochemii), FN Abbreviation not explained 7, Prague 10, Head (Prednosta) Dr J. OPPLT.

"Dyslipoprotoinaemia After Surgical Castration in Women."

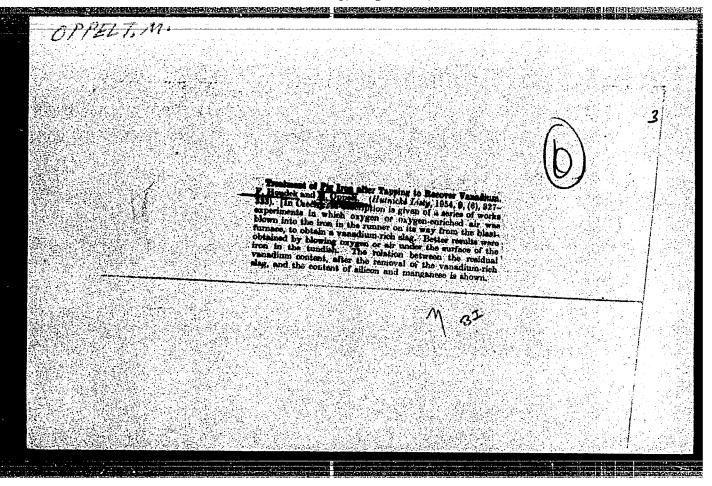
Prague, Casopis Lekaru Ceskych, Vol 105, No 21, 27 May 66, pp 569 - 573

Abstract /Authors' English summary modified 7: Changes in the electrophoretic fractions of plasma lipoproteins were investigated in 50 patients after 3 basic types of gynecological operations. In women from whom both evaries were removed, after a short drop a rapid rise of the total lipoprotein blood level occurs; this is due mainly to a rise in grossly dispersed lipoprotein fractions. This type of dyallopoproteinaemia is important in the development of early postoperative complications, particularly thromboembolic ones, and for the development of atherosclerosis. Castration should be resorted to only where necessary and followed by hormonal substitutions. 1 Figure, 1 Table, 12 Western, 9 Czech references. (Ms. 1/1

Journal of Apilied Chemistry
Vol. 4. Feb. 1954
Industrial Internate Chemistry

New ways of making from Mr Oppelt (Humis [Prague, 1953, No. 5, 101-102:] From Steel Inst. 1953, 175, 220;—Possible methods of making from from ores containing > 50% of MO, without concentrating them en discussed. The ores are low in Al.O., and CaO, so that the semi-acid process with a CaO/SiO, ratio of unity (as at Corby) is unstable. Proposals in the literature relating to working with acid slags of given a and competition are critically discussed, particularly as to their desulphurising flictions of its considered that the Line (Austria) method of desulphurising by blowing O, on the surface of the Fe is the most promising.

R. B. CLARKE.



Oppelt : CZECHOSTOVAKIA : Chemical Pachnology. Ceramics. Binding "aterials Country Category Concrete : Ref Zhur-Khimiya, Mo 14, 1959, No 50476 Abs. Jour : Oppelt, M. Author : Czechoslovakier "Aglomorita" Institute Title Orig Pub. : Stavivo, 1958, 36, No 7, 264 : Experiments of calcining "agloporite" (AP) (used as a balast in the manufacture of light Abstract concretos) were conducted on a laboratory installation. An inert material/mineral obtained in the mining of coal was used as a raw material. The calcination process was controlled by measuring temperature of generated gases under the agglomeration grid. A complete combustion of coal in a layer of the inert material (of 30 cm in thickness) was reached 1/2 Card:

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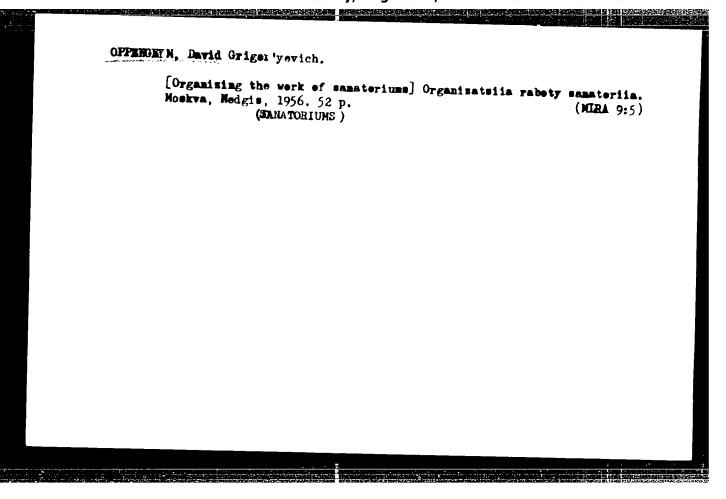
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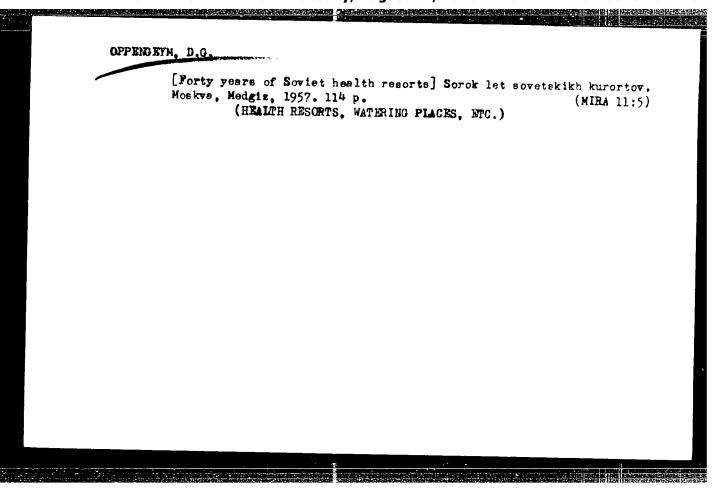
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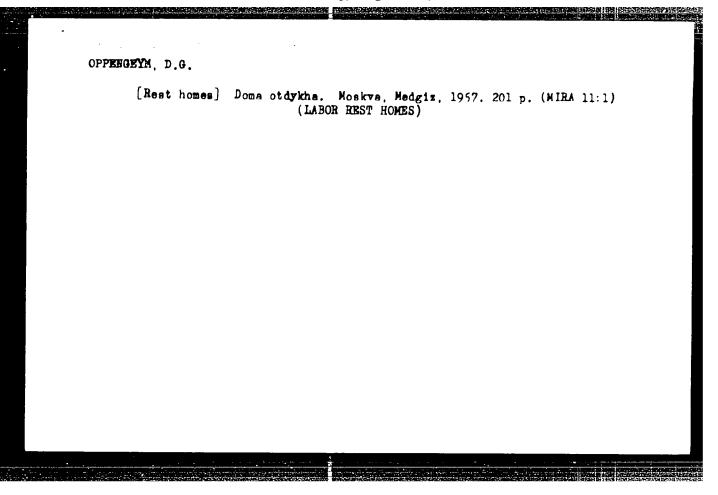
GPPENGEYM, David Grigor'yevich, kandidat meditsinakikh nauk; ZHUKOV, G.I., redaktor; Sauhsvi, A.I., tekhnicheskiy redaktor

[Rest homes as institutions for preventive treatment] Doma otdykha - profilakticheskie uchreshdeniia. Moskva, Gos. izd-vo med. lit-ry, 1956. 38 p. (Biblioteka vracha-organizatora. Lektsii po organizatsii zdravookhraneniia dlia vrachei. Organizatsiia kurortno-eanatornoi pomoshchi i domov otdykha, lektsiia 3) (MIRA 9:7) (SANATORIUMS)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012381





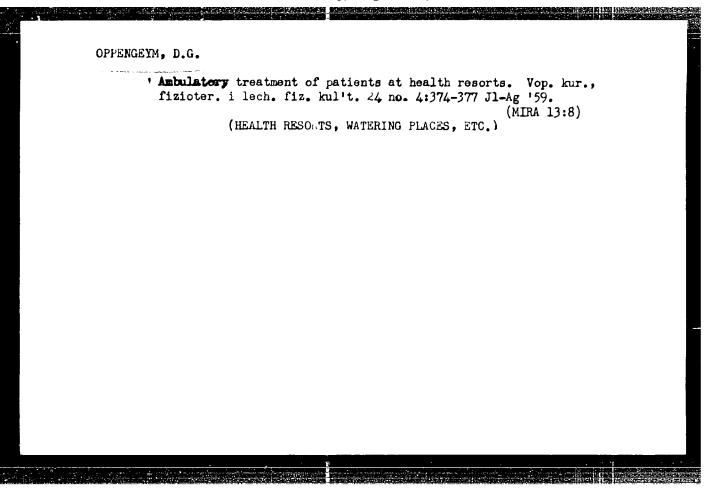


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i lech.fiz.kul't. 23 no.5:447-454 S-0 '58 (MIRA 11:11)

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G.N. Pospelova).

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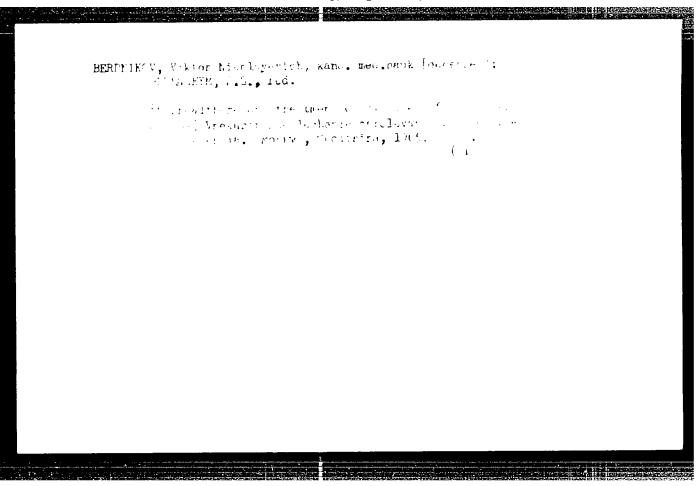
BATKIS, Grigoriy Abramovich [deceased]; LEKAREV, Leonid Grigor yevich; OPPENGEYM, D.G., red.; ZUYEVA, N.K., tekhm. red.

[Theory and organization of the Soviet public health system] Teoriia i organizatsiia sovetskogo zdravookhraneniia. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 349 p. (MIRA 14:8) (PUBLIC HEALTH)

OPPENGEYM, D.G.; NEYMAN, M.I., red.; PETROVA, N.K. tekhn. red.

[Treatment and rest at health resorts in the Soviet Union]
Lechenie i otdykh na kurortakh Sovetskogo Sciuza. Moskva,
Medgiz, 1962. 261 p.

(HEALTH RESORTS, WATERING PLACES, ETC.)



15.8663

2873L 5/020/61/140/00*/015/U20 P103 P101

AUTIORS:

Topchivev, A. V., Academician, Krentsel', F. A., Ial', V. V.,

and Oppengeym, V. L.

TITLE:

Polymerization of heptene-1 by means of the catalytic system

Al(iso-C,Eg), + TillA

PERICII IAL:

Akademiya rauk SSSR. Doklady, v. 140, no. 3, 1961, 614-616

TEXT: The authors studied the mechanism of polymerization of linear α - olefins by combined organometallic catalysts, as well as the relations between the structure of the initial hydrocarbon and the properties of the resulting polymer. Hertene-1 served as object, $A1(i-C_4H_9)_3 + Ticl_4$ as

catalyst. The monorer was prepared by pyrol sis of heptyl acetate at 540 - 550°C. Preliminary tests showed that the highest conversion of the 540 - 550°C. Preliminary tests showed that the highest conversion of the monomer was reached at an equimolar quantitative ratio of the matalyst monomer was reached at an equimolar quantitative ratio of temperature of the components, and at approximately 60°C. The course of temperature of the components viscosity of polyheptene revealed: Above (0°C some destruction intrinsic viscosity of polyheptene revealed: Above (10°C some destruction of the polymer set in under the action of the catalyst. As a result, the

Card 1/3

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Polymerization of heptere-1...

intrinsic viscosity which depends on the ratio of the catalyst components dropped. The peak value of the intrinsic viscosity in Lecalin was reached at an $AlR_3/TiCl_A$ ratio between 1.5 and 2.5. The polyheptene produced under

optimum conditions is a viscous, glassy substance with a molecular weight of approximately 3500, and a melting point of -40°C. An X-ray structural analysis showed that polyhertene was completely amorphous. On account of the infrared absorption spectra, the following structure is assumed:

Still, the absorption band at $972~{\rm cm}^{-1}$ points to a possible double bond in the middle of the polymer chain:

Card 2/3

28734 \$/020/61/140/003/015/020 B103/B101

Polymerization of heptene-1...



This problem requires further investigation. There are 3 figures and 4 references: 1 Soviet and 3 non-Soviet. The three references to English language publications read as follows: F. P. Reding, J. Polym. Sci., 21, 547 (1956); E. Badin, J. Am. Chem. Soc., 80, 24 (1958); T. W. Campbell, A. C. Haven jr., J. Appl. Polym. Sci., 1, No. 1 (1959).

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR

(Institute of Petrochemical Synthesis of the Academy of

Sciences USSR)

SUBMITTED: May 29, 1961

Card 3/3

32837

S/020/62/142/002/018/029 B106/B101

51190 AUTHORS: 1407

Bakalo, L. A., Krentsel' B. A. Oppengeym, V. D. and

Topohiyev, A. V. Academician

TITLE:

The structure of the FeCl 3/propylene oxide catalyst and the

mechanism of stereospecific polymerization of some epoxy

compounds

PERIODICAL: Akademiya nauk SSSR Doklady, v. 142 no. 2, 1962, 347-350

TEXT: The polymerization of organic oxides on a catalyst from anhydrous ferric chloride and propylene exide takes a stereospecific course which is usually attributed to the heterogeneity of the catalytic system (Ref. 3: C. C. Price, M. Osgan, J. Am. Chem. Soc. 78, 4789 (1956)). In a previous study (Ref. 6: L. A. Bakalo, B. A. Krentsell, A. V. Topchiyev, Vysokomolek, soyed, 4 (1962)), however, the authors found that the polymerization of epichlorohydrin and divinyl monoxide on the catalyst mentioned also takes a stereospecific course, although the system monomer - catalyst is perfectly homogeneous. The structure of the catalyst has now been

Card 1/4

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The structure of the FeCl3/propylene.

investigated to clarify the mechanian of stereospecific polymerization. The catalyst was prepared, according to Ref. 2 (see below), from sublimed FeCl₃ and propylene oxide in dry CCl₄. Its composition in % was: Fe 15.06; C 37.33; H 6.56; Cl 21.26. To separate the organic part, the catalyst was dissolved in acetone, and the iron was precipitated with sodium hydroxide. The resulting suspension was diluted with water and extracted with ether. The extract was rinsed with water, soda solution, and again with water, and dried over Na₂SO₄. After evaporating the ether.

the residue was fractionated (20 · 30 theoretical plates) in a vacuum of 1.5 mm Hg. Three fractions (b. p. $45.5 - 46.5^{\circ}$ C $46.5 - 47.5^{\circ}$ C, and $47.5 - 49.0^{\circ}$ C, respectively) were collected and subjected to elementary analysis, as was the residue. The molecular weight of the catalyst was determined according to Rast, and the content of mobile hydrogen in the organic portion of the catalyst according to Tserevitinov, with ethyl magnesium iodide. It has been proved by nephrite-test and on the basis of infrared spectra that the organic portion contains chlorine. Thus, the empirical molecular formula of the catalyst was found to be $\text{ClFe}(C_6H_{12}O_2\text{Cl})_2$. The structure of the organic portion of the catalyst was Card 2/4

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S/020/62/142/002/018/029 B106/B101

The structure of the FeCl3/propylene...

clarified by infrared spectroscopy (MAC-14 (IKS-14) spectrophotometer in the frequency range of 1800 - 640 cm⁻¹). In this connection, the arrangement of the epoxy ring opening with subsequent development of the ether bond was ascertained. It has been proved that the opening of the epoxy ring during the restion of ferric chloride with propylene oxide epoxy ring during the restion of ferric chloride with propylene oxide

ether bond was ascertained. It has been proved that the opening of the epoxy ring during the restion of ferric chloride with propylene oxide takes place at the primary carbon atom, the configuration at the secondary carbon atom being maintained. These results provided the following structural formula for the catalyst in question:

It is of interest that also the organic portion of the catalyst from anhydrous ferric chloride and epichlorohydrin shows the same arrangement of ether bonds. This result and the previously (Ref. 6) shown homogeneous character of the system indicate that the opening of the oxygen-containing ring at the primary carbon atom, in which the configuration at the Card 3/4

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The structure of the FeCl₃/propylene...

asymmetric carbon atom during polymerization is maintained, is the cause for the stereospecificity of polymerization of the u-oxides of clefins. Previous orientation of the monomer, as assumed by Price and collaborators (Ref. 3), is therefore not required in this case. There are 1 figure, 1 table, and 8 references: 2 Soviet and 6 non-Soviet. The four most recent references to English-language publications read as follows: Ref. 2: A. B. Borkovec, US pat. 2861962 (1958); R. O. Colclough, G. Gee, ". C. E. Higginson et al., J. Polymer Sci., 34, 171 (1959); I. Ishida, Bull. Chem. Soc., Japan, 33, 731 (1960); S. Misushima, T. Shimanouchi et al., J. Chem. Phys., 26, 970 (1957).

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR

(Institute of Petrochemical Synthesis of the Academy of

Sciences USSR)

SUBMITTED: October 6, 1961

Card 4/4

VDOVIN, V.M., NAMETKIN, N.S., FINKEL'SHTTYN, Ye.Sh.; OPPENGRYM, V.D.

Conversion of vinylbenzyl derivatives of silicon in the presence of alkylation cutalysts. Izv. AN SSSR. Ser.khim. no.3:458-464 (MIRA 17:4) Mr. 'bd.

1. Institut neftechimicheskogo sinteza im. A.V.Topchiyava AN SSSR.

L 33269-66 EWP(1)/EWT(m) RM

SOURCE CODE: UR/0058/65/000/011/D025/D025

ACC NR: AR6016192

AUTHOR: Oppengeym, V. D.; Finkel'shteyn, Ye. Sh.

TITIE: Some features of infrared and ultraviolet absorption spectra of 3-4-benzo-1-

silicocyclopentane, and its derivatives

SOURCE: Ref. zh. Fizika, Abs. 110190

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 99-107

TOPIC TAGS: uv absorption, absorption spectrum, organic silicate

ABSTRACT: The authors investigate the ir and uv absorption spectra of 3-4-benzo-1-sylicocyclopentane and its derivatives. They observed a sharp increase in the intensity of the absorption band in the region 1569 - 1580 cm², which is credited to the benzene ring. Both the position of the maximum band and its intensity vary with the character of the substitute at the Si atom. The presence of the bathochromic shift of the absorption band 2200 - 2700 Å of the spectrum of 3-4-benzo-1-silicocyclopentane and its derivative by ~25 Å, is observed. A hypothesis is advanced that the obtained similarities of the spectra are connected with disturbance of the electron cloud of the benzene ring as the latter interacts with the silicon atoms. [Translation of abstract]

SUB CODE: 20, 07

Cord 1/1 PY

s/0204/64/004/003/0487/0493 ACCESSION NR: AP4040604 AUTHOR: Znamenskaya, E. N.; Nametkin, N. S.; Pritula, N. A.; Oppengaym, V. D.; Cherny*sheva, T. I. TITLE: Synthesis and properties of 1-sily1-4-(vinylsilyl)benzenes SOURCE: Neftekhimiya, v. 4, no. 3, 1964, 487-493 TOPIC TAGS: organosilicon polymer, phenylene bridge, heat transfer agent, lubricating oil ABSTRACT: Two new 1-silyl-4-(vinlysilyl)benzenes, 1-(diethylsilyl)-4-(diethylvinylsilyl)benzene (I) and 1-(methylphenylsilyl)-4-(methylphenylvinylsilyl)benzene (II), have been synthesized, their physical constants determined, and their polymerization studied. Organosilicon compounds with phenyl groups in the backbone were of interest as thermally stable substances suitable for such applications as lubri-

cating oils and heat-transfer agents. Synthesis was carried out in two steps: 1) condensation of p-bromophenylmagnesium bromide with

the appropriate dialkyl- or diaryl-chlorosilane to form the

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012381

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ACCESSION NR: AP4040604

1-bromo-4-(dialkyl)- or 1-bromo-4-(diarylsilyl)-benzene and 2) reaction of the Grignard reagent from the latter with the appropriate alkylor aryl-chlorovinylsilane to form I or II in 28.4 and 35.0% yields, respectively. Polymerization of II (taken as an example) at 300C in the presence of Pt on C or at 280C without a catalyst formed straight-chain soluble polymers with -\$iC6H4\$iCH2CH- repeat units in the backbone in 82.3 and 68.4% yield and softening at 142—150C and 87-93C, respectively. The structure of the polymers was confirmed by IR spectroscopy. This work was done at the Institute of Petrochemical Synthesis, Academy of Sciences SSSR. Orig. art. has: 8 formulas, 2 tables, and 3 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR im. A. V. Topchiyeva (Institute of Petrochemical Synthesis, AN SSSR)

SUBMITTED: 10Sep63

DATE ACQ: 06Jul64

ENCL: :.00

SUB CODE: OC,GC NO REF SOV: 006

OTHER: 007

Card 2/2

DJ/RM ACCESSION NR:	s)-2/ENT(m)/EPP(c)/EPP/ESP(j)/T	/0204/64/004/004/0650/0	
AUTHOR: Namet Oppengeym, V.	kin, N. S.; Cherny*sheva, T. D.; Nechitsylo, N. A.		(8)
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	skhimiya, v. 4, no. 4, 1964,		
	리 마상하는 보호는 문의 전화되었다면서 전화를 위한 점점 등을 수입하고 있다.	(1) (4) (4) (2) (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
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lenes were expected to their possible use as vacuum diffusion pumps	oms. The study was conducted in the study was conducted in the stability of the structure of the company of the conducted in the structure of the company of the structure conversion.	lity, and because of gents and fluids for pounds was confirmed s of the milpheny-
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lenes were studied in automatic recording.	if with the Kurkakov pyrom The results of derivative to Table 1 of the Enclosure.	hermogravimetric
lenes were studied in automatic recording. analysis are given in 5 figures and 1 table. ASSOCRATION: Institut	The results of derivative t	hermogravimetric Orig. art. has; im. A. V. Topchiyava
lenes were studied in automatic recording. analysis are given in 5 figures and 1 table. ASSOCRATION: Institut	The results of derivative to table 1 of the Enclosure. neftekhimicheskogo sinteza	hermogravimetric Orig. art. has; im. A. V. Topchiyava

L 11298-65 ACCESSION NR: AP4044556 Table 1. Conversions of silphenylenes from data of derivative thermogravimetric analysis					
Compound		Temperature, °C			
	Kelting	Pirst Exo- thermic effect	Second Exo- thermic effect	Endo- thermic effect	
[(CII ₃) ₃ Si — (CII ₃) ₃ — Si (CII ₃) (C ₄ II ₄) (CII ₃) ₃ Si — (CII ₃) ₂ — Si (CII ₃) (C ₄ II ₄) (CII ₃) ₃ Si — (CII ₃) ₃ — Si (CII ₃) (C ₄ II ₄) [(CII ₃) ₃ C ₄ II ₄ Si — (CII ₃) ₃ —Si (CII ₃) (C ₄ II ₄) [(CII ₃) ₃ Si — O — Si (CII ₃) (C ₄ II ₄) ₃ C ₄ II	G	260—360 218—337 205—335 240—375	445—595 492—530 462—550 540—600	-₹ 	
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ACCESSION NR: AP4012090 s/0020/64/154/002/0383/0386

Nametkin, N.S. (Corresponding member); Vdovin, V.M.; AUTHORS:

Pinkel'shteyn, Ye. Sh.; Arkhipova, T.N.; Oppengeym, V.D.

Synthesis of 3,4-benzosilicocyclopentanes TITLE:

Doklady*, v. 154, no. 2, 1964, 383-386 SOURCE: AN SSSR.

TOPIC TAGS: 3,4-benzosilicocyclopentane, infra-red spectrum, ultra-violet spectrum, chloromethylbenzyldichlorsilane cyclization, 3,4benzosilicocyclopentane synthesis, silicon containing indane

ABSTRACT: The silicon-containing analog of indane, 3,4-benzosilicocyclopentane and some of its derivatives were synthesized and characterized by their IR and u.v. spectra and physical properties. Chloromethylbenzyldichlorsilane was cyclized with AlCl3 in benzene

Cord 1/3

ACCESSION NR: AP4012090

to the 3,4-benzo-1,1-dichlorosilicocyclopentane:

The latter was reduced with LiAlH $_{\rm H}$ to 3,4-benzo-1,1-dihydrosilicocyclopentane, alkylated with RMgBr to the corresponding 1,1-dimethyl- and 1,1-dibutyl-derivatives, and reacted with acetic anhydride to form the 3,4-benzo-1,1-diacetosilicocyclopentane.

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$$CH_{2}$$

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$$CH_{4}$$

$$CH_{3}$$

$$CH_{4}$$

$$CH_{5}$$

$$C$$

Card 2/3